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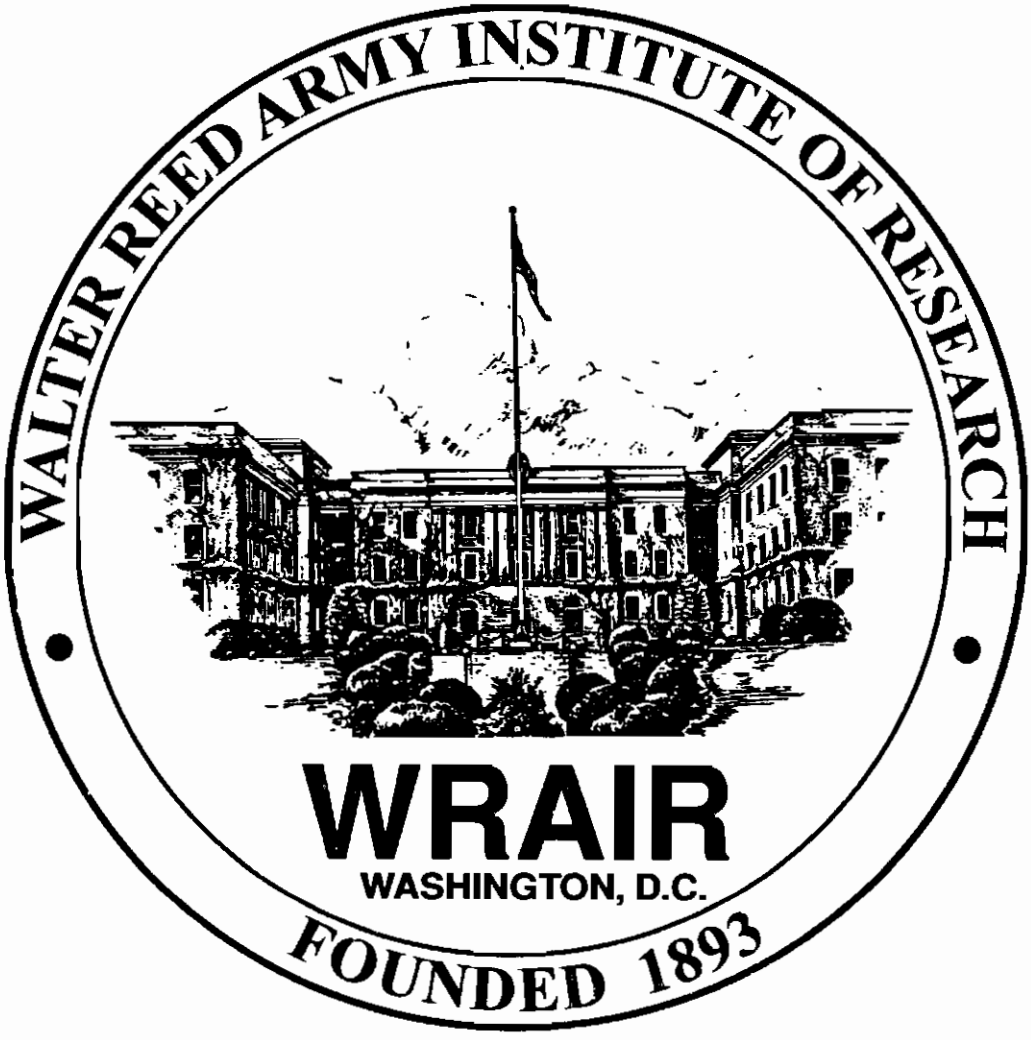
INDEX OF PUBLICATIONS



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About the Walter Reed Army Institute of Research

The Walter Reed Army Institute of Research (WRAIR) consists of nine scientific divisions each representing a scientific discipline, six support divisions, four detachments in the United States and four Overseas laboratories. The Institute specializes in medical research in biochemistry, immunology, experimental therapeutics, military medicine, neuropsychiatry, experimental pathology, blood products, preventive medicine, retrovirology [HIV], vaccines and their delivery systems, communicable diseases, biological and chemical threats, and combat dentistry and surgery. The staff is roughly 50% military and 50% civilian, equally divided between scientific and support personnel. Important organizational components of the WRAIR are the special field activities in Thailand, Brazil, Kenya, and Germany. Research and support functions at the overseas labs are closely coordinated with efforts at the main facility in Washington, DC.

The mission of WRAIR is to counter threats from three sources: biologically active substances, high energy and trauma, and stress and performance. The historic emphasis at WRAIR is research against naturally occurring infectious agents encountered in military training or operations. The threat of "biologically active substancesll encompasses naturally occurring infectious diseases, toxins, and commonly used chemicals. In addition, there is significant research to counter physical (environmental) threats and psychological disease in training and in combat operations.

WRAIR primarily works at the applied research and pre-development level, but the institute is also intimately involved in product development with the United States Army Medical Material Development Agency (USAMMDA), Ft. Detrick, MD. By chairing and serving on scientific steering committees, WRAIR scientists provide the technical guidance required for rational development of technical base initiatives. In addition, many products are developed and tested at the WRAIR Special Field Activity Laboratories.

WRAIR's efforts are not limited to research: WRAIR (pronounced "rare") was originally founded in 1893 as the US Army Medical School. It continues to be a center of learning through the military preventive medicine residency, a military medical research fellowship program, and short courses in tropical medicine, veterinary medicine and other subjects. Many of our post-doctoral fellowships bring outstanding young scientists to the Institute for up to two years at a time.

The vertical integration which marks WRAIR's structure has been present from the beginning. Just as Major Walter Reed did his outstanding work on Yellow Fever as a member of the first faculty, the Institute today still has the capability of identifying a threat, determining its cause, designing an answer, testing it under actual field conditions, and teaching others to use the results.

Some Major Accomplishments

1898: Reed-Vaughn-Shakespeare Typhoid Board established mechanism of transmission.

1900: Yellow Fever Board, in Cuba, proved mosquito transmission of Yellow Fever.

1910: Maj. C.R. Darnall developed the use of chlorine to purify drinking water.

1918: Maj. R.L. Kahn devised what became the standard serologic test for syphilis.

1925: Col. Calvin H. Goddard began work which led to the science of comparative ballistics.

1933: Atabrine was introduced as a substitute for quinine in combatting malaria.

1940-45: Work by Cpt. D.B. Kendrick led to the first system of blood banking, storage and use.

1957: Drs. Hilleman and Buescher isolated Asian flu virus strain used to make first vaccine.

1962: Drs. Parkman, Artenstein and Buescher isolated the Rubella virus, leading to a vaccine.

1979: WRAIR psychologists played a major role in developing the Army's new manning system.

1982: WRAIR immunologists began work to develop the world's first promising malaria vaccine.

1990: Maj. Robert DeFraites, Maj. Jose Sanchez, and LTC Charles Hoke conduct a major vaccine field trial with a Japanese encephalitis virus vaccine. This was the last hurdle prior to licensure of a commercial product.

1995: A hepatitis A vaccine is licensed. WRAIR scientists did much of the preliminary research on this vaccine strain and a pivotal field trial in Thailand.

KEY TO CITATIONS

J Journal

C Chapter

B Book

R Report

A Abstract

Listing of Journal Articles/Chapters/Reports

1. Adler, A. B.; Bartone, P. T. "International Survey of Military Psychologists:Survey Findings." Res Conducted US Army Medical Res Unit-Europe 1997; Jan:1-91
Note: **(R)**
A325720.
psychology/international/military/
cross-cultural.

2. Adler, A. B.; Bartone, P. T. "Military Psychologists and the Partnership for Peace Program in Albania." Mil Med 1997; July;162(7):492-494
Note: **(J)**
military psychologists/Albania/
Partnership for Peace.

3. Agin, T. S.; Noel, J. M.; McQueen, C. E.; Boedeker, E. C.; Wolf, M. K. "Host Exposure to Intimins (EAEA) Prior to Infection with an Attaching-Effecting Rabbit Enteropathogen." In:Cytokines Cholera Gut, Keusch, G. T., Ed., IOS Press 1997; 315-320
Note: **(C)**
antibodies/infection.

4. Agin, T. S.; Wolf, M. K. "Identification of a Family of Intimins Common to Escherichia Coli Causing Attaching-Effacing Lesions in Rabbits, Humans, and Swine." Infect Immun 1997; 65(1):320-326
Note: **(J)**
A323458.
Escherichia coli strain RDEC-1/EAEA gene/
intimin/attaching-effacing lesion.

5. Agin, T. S.; Wolf, M. K. "Immunological Cross Reactivity of EAEA (Intimin) from Escherichia Coli that Cause Attaching-Effacing Lesions in Humans and Rabbits." In:Advances in Experimental Medicine and Biology:Mechanisms in the Pathogenesis of Enteric Diseases, Paul, P. S., et al, Eds., 1997; 412:103-104
Note: **(C)**
A327398.
Escherichia coli strain RDEC-1/EAEA gene/ intimin/attaching-effacing lesion.

6. Altschuler, B. R. "Hyper-Speed Data Acquisition for 3-D Computer Vision Metrology as Applied to Law Enforcement." In:Emerging Applications of Computer Vision:AIPR Workshop, D. Schaefer, Ed., Proceedings of SPIE 1997; Oct;2962:287-294
Note: **(C)**
computer vision/military application.

7. Alving, B. M.; Krishnamurti, C. "Recognition and Management of Heparin-Induces Thromocytopenia (HIT) and Thrombosis Hypercoagulability and Antithrombotics." Semin Thromb Hemost 1997; 23(6):569-574
Note: **(J)**
heparin/thrombocytopenia/chemotherapy.

8. Alving, B. M.; Reid, T. J.; Fratantoni, J. C.; Finlayson, J. S. "Frozen Platelets and Platelet Substitute in Transfusion Medicine." Transfusion 1997; 37(8):866-876
Note: **(J)**
platelets/transfusion.

9. Alving, C. R. "Liposomes as Adjuvants for Vaccines." In:New Generation Vaccines, 2nd ed., Levine, M. M., et al, Eds., M. Dekker 1997; Ch16:207-213
Note: **(C)**
A331198.
liposomes/vaccines.

10. Alving, C. R.; Szenbeni, J. "Policing Function of Complement:Through the Body with Gun and Camera." J Lab Clin Med 1997; 130(2):123-125
Note: **(J)**
camera.

11. Argyros, G. J. "Management of Primary Blast Injury." Toxicology 1997; Jul;121(1):105-115
Note: **(J)**
blast overpressure/treatment/barotrauma/ confusion.

12. Artenstein, A. W.; VanCott, T. C.; Sitz, K. V.; Robb, M. L.; Wagner, K. F.; Veit, S. C.; Rogers, A. F.; Garner, R. P.; Byron, J. W.; Burnett, P. R.; Brix, D. L. "Mucosal Immune Responses in Four Distinct Compartments of Women Infected with HIV Type 1:A Comparison by Site and Correlation with Clinical Information." J Infect Dis 1997; Feb;175(2):265-271
Note: **(J)**
HIV/females/mocosal.

13. Asher, L. V.; Longer, C. F.; Elliot, J.; Zhang, H. Y.; Daniels, M.; Johnson, A. J.; Caudill, J. D.; Ticehurst, J.; Binn, L. N. "Acute Tubular Necrosis in Kidneys of Monkeys Infected with Hepatitis E Virus." In:Viral Hepatitis and Liver Disease: Proceedings of 9th Triennial International Symposium on Viral Hepatitis, Edizioni Minerva Medica, Rizzeto, M., et al, Eds., 1997; 331-333
Note: **(C)**
Hepatitis E virus/animals/kidneys.

14. Ballou, W. R.; Stoute, J. A. "A Recombinant Circumsporozoite Protein Vaccine Against Malaria-Reply." N Engl J Med 1997; 336(24):1760
Note: **(J)**
malaria/circumsporozoite.

15. Barsoum, I. S.; Kopydlowski, K. M.; Burge, J. R.; Setterstrom, J. A. "Effect of Microencapsulated Ampicillin on Cellmediated Immune Responses in Mice." J Antimicrob Chemother 1997; Nov;40(5):721-724
Note: **(J)**
ampicillin/drugs.

16. Barsoum, I. S.; Kopydlowski, K. M.; Cuenin, P.; Setterstrom, J. A. "Evaluation of Hypersensitivity to Microencapsulated Ampicillin in Guinea Pigs." J Antimicrob Chemother 1997; 39(1):63-69
Note: **(J)**
A323473.
hypersensitivity/guinea pigs/
microencapsulated ampicillin/
microencapsulated ovalbumin.

17. Bauman, R. A.; Elsayed, N. M.; Petras, J. M.; Widholm, J. "Exposure to Sublethal Blast Overpressure Reduces the Food Intake and Exercise Performance of Rats." Toxicology 1997; Jul;121(1):65-79
Note: **(J)**
A331127.
blast overpressure/food intake/exercise/
rats.

18. Bergmann, E. S.; Ballou, R. W.; Krzych, U. "Detection of CD4+CD45RO+T Lymphocytes Producing IL-4 in Response to Antigens on Plasmodium Falciparum Erythrocytes L an *In Vitro* Correlate of Protective Immunity Induced with Attenuated Plasmodium Falciparum Sporozoites." Ce11 Immunol 1997; Sep;180(2):143-152
Note: **(J)**
malaria vaccines/Plasmodium falciparum/
in vitro.

19. Bergmann, E. S.; Leitner, W. W.; Brkto, J.; Boeckl, O.; Thalhammer, J. "The Effect of Antigen Stimulation on Splenic Transplants." Physiol Res 1997; 56(1):1-8
Note: **(J)**
imminohistology/proliferation/ antigen stimulation.

20. Berman, J. D. "Human Leishmaniasis:Clinical, Diagnostic, and Chemotherapeutic Developments in the Last 10 Years." Clin Infect Dis 1997; Apr;24(4):684-703
Note: **(J)**
leishmaniasis/diagnosis/drug therapy.

21. Bethell, D. B.; Teja-Isavadharm, P.; Cao, Xuan Thanh Pouong; Pham Thi Thu Thuy; Ta Thi Tuyet Mai; Tran Thi Nhu Thuy; Nguuyen Thi Thanh Ha; Pham Tung Phuong; Kele, D.; Fay, N. P.; White, N. J. "Pharmacokinetics of Oral Artesunate in Children with Moderately Severe Plasmodium Falciparum Malaria." Trans R Soc Trop Med Hyg 1997; 91(2):195-198
Note: **(J)**
malaria/Plasmodium falciparum/chemotherapy.

22. Bettencourt, M. C.; Morris, E. R.; Spevak, M.; Costable, R. "The Effect of Human Chorionic Gonabotropin on Methotrexate Concentration in the Rat Tastes." J Urol 1997; 158(4):1581-1584
Note: **(J)**
gonadotropins/methotrexate/testes.

23. Beutin, L.; Gleier, K.; Kontny, I.; Echeverria,P.; Scheutz, F. "Origin and Characteristics of Enteroinvasive Strains of Escherichia Coli (EIEC) Isolated in Germany." Epidemiol Infect 1997; 118(3):199-205
Note: **(J)**
Escherichia coli/enteroinvasive strains/ Germany.

24. Beyrer, C.; Artenstein, A. W.; Kunawararak, P.; VanCott, T. C.; Mason, C. J.; Rungreungthanakit, K.; Hegerich, P.; Nelson, K. E.; Khamboonruang, C.; Natpratan, C. "The Molecular Epidemioloy of HIV-1 Among Male Sex Workers in Northern Thailand." J AIDS Hum Retrovirol 1997; Aug;15(4):304-307
Note: **(J)**
HIV-1/prostitution/Northern Thailand.

25. Bhattacharjee, A. K. "Structural and Electrostatic Homology Between some Bipyridine Cardiotonics and Thyroxine (T-4) Hormone: An Ab Initio Theoretical Study." Med Chem 1997; Oct;159(10):5114-5122
Note: **(J)**
homology/hormone/bipyridine cardiotonics/ thyroxine (T-4).

26. Bhattacharjee, A. K.; Pundlik, S. S.; Gandre, S. R. "Conformational and Electrostatic Properties of Naphthoquinone:An Ab Initio Theoretical Study." Cancer Invest 1997; 15(6):531-541
Note: **(J)**
drugs analysis/naphthoquinone/juglone/ naphthazarin.

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Note: **(J)**
AIDS/HIV/membrane protein.

28. Blair, P. J.; Riley, J. L.; Carroll, R. G.; St.Louis, D. C.; Levine, B. L.; Saha, B.; Lee, C. H.; Perrin, P. J.; Harlan, D. M.; June, C. H. "CD28 Co-Receptor Signal Transduction in T-Cell Activation." Biochem Soc Trans 1997; May;25(2):651-657
Note: **(J)**
T cell/receptors/CD28.

29. Bojang, K. A.; Obaro, S. K.; Leach, A.; D'Alessandro, U.; Bennett, S.; Metzger, W.; Ballou, W. R.; Targett, G. A.; Greenwood, B. M. "Follow-up of Gambian Children Recruited to a Pilot Safety and Immunogenicity Study of the Malaria Vaccine SPF66." Parasite Immunol 1997; Dec;9(12):579-581
Note: **(J)**
vaccination/malaria/children/Gambia.

30. Bowman, P. D.; Schuschereba, S. T.; Lawlor, D. F.; Gilligan, G. R.; Mata, J. R.; Debaere, D. R. "Survival of Human Epidermal Keretinocytes after Short-Duration High Temperature:Synthesis of HSP70 and IL-8." Am J Physiol Cell Aphysiol 1997; 41(6):C1988-1994
Note: **(J)**
keretinocytes/thermal shock/interleukin-8.

31. Brandt, G. T.; Norwood, A. E.; Ursano, R. J.; Wain, H.; Jaccard, J. T.; Fullerton, C. S.; Wright, K. "Psychiatric Morbidity in Medical and Surgical Patients Evacuated from the Persian Gulf War." Psychiatr Serv 1997; 48(1):102-104
Note: **(J)**
veterans/diseases/Persian Gulf War.

32. Braun, A. R.; Balkin, T. J.; Wesensten, N. J.; Carson, R. E.; Varga, M.; Baldwin, P.; Sebie, S.; Belenky, G. E.; Herscovitch, P. "Regional Cerebral Blood Flow Throughout the Sleep Wake Cycle An H2(15)0 PET Study." Brain 1997; 120(pt2):1173-1197
Note: **(J)**
sleep cycles/regional blood flow.

33. Braun, A. R.; Balkin, T. J.; Wesensten, N. J.; Gwadry, F.; Carson, R. E.; Varga, M.; Baldwin, P.; Belenky, G. E.; Herscovitch, P. "Dissociated Pattern of Activity in Visual Cortices and Their Projection During Human Rapid Eye Movement Sleep." Science 1997; 279(5347):91-95
Note: **(J)**
visual cortex/rapid eye movement sleep.

34. Britt, T. W.; Doherty, K.; Schlenker, B. R. "Self-Evaluation as a Function of Self-Esteem, Performance Feedback, and Self-Presentational Role." J Social Cult Psychol 1997; 16(4):463-483
Note: **(J)**
self presentation/self esteem/personality/ human.

35. Britton, P.; Lu, X-C. M.; Laskosky, M. S.; Tortella, F. C. "Dextromethorphan Protects Against Cerebral Injury Following Transient, but Not Permanent, Focal Ischemia in Rats." Life Sci 1997; 60(20):1729-1740
Note: **(J)**
cerebral infraction/cerebral ischemia/ dextrome thorphan.

36. Britton, P.; Tortella, F. C. "Differential Susceptibility to Focal Cerebral Ischemia Between Mouse Strains:Effect of MK 801 on Resulting Brain Injury." Pharmacol Rev Commun 1997; 9:19-25
Note: **(J)**
A333609.
focal cerebral ischemia/neuroprotection/ middle cerebral artery occlusion/MK 801.

37. Brown, A. E.; Jackson, B.; Fuller, S. A.; Sheffield, J.; Cannon, M. A.; Lane, J. R. "Viral RNA in the Resolution of Human Immunodeficiency Virus Type 1 Diagnostic." Transfusion 1997; Sept;37(9):926-929
Note: **(J)**
HIV testing/RNA/military.

38. Brown, A. E.; Malone, J. D.; Zhou, S. Y.; Lane, J. R.; Hawkes, C. A. "Human Immunodeficiency Virus RNA Levels in US Adults:A Comparison Upon Race and Ethnicity." J Infect Dis 1997; Sept;176:794-797
Note: **(J)**
A331214.
HIV/RNA/militaty/race.

39. Brown, A. E.; Robb, M. L.; McCutchan, F. E. "Polymerase Chain Reaction for Diagnosis of HIV Infection." Ann Intern Med 1997; 126(9):739
Note: **(J)**
HIV/ploymerase chain reaction.

40. Bryan, J. P.; MaCarthy, P. O.; Rudock, A.; Fogarty, J. P.; Dowd, H.; Legters, L. J.; Perine, P. L. "Hepatitis B Vaccine Booster Dose:Low-Dose Recombinant Hepatitis B Vaccines as a Booster Dose." Am J Infect Control 1997; 25(3):215-222
Note: **(J)**
viral Hepatitis B/booster vaccination.

41. Buchman, K. C.; Burge, R. R.; Ruble, G. R. "Evaluation of Injectable Anesthetics for Major Surgical Procedures in Guinea Pigs." Cont Topics Lab Animal Sci 1997; July;3(4):58-62
Note: **(J)**
injectable anesthetics/surgical procedures.

42. Burke, D. S. "Recombination in HIV:An Important Viral Evolutionary Strategy." Emerg Infect Dis 1997; 3(3):580-587
Note: **(J)**
A331213.
HIV/viral evolutionary strategy/ recombination.

43. Burke, D. S. "Sing for the Gov'nor:A Call to Advocacy for Tropical Medicine and Hygiene." Am J Trop Med Hyg 1997; Jan;56(1):1-6
Note: **(J)**
tropical medicine/hygiene.

44. Burke, D. S. "Vaccine Therapy." In:New Generation Vaccines 2nd ed., Levine, M. M., et al, Eds., M. Dekker 1997; Ch67:1117-1130
Note: **(C)**
A331205.
vaccine therapy/disease recurrence.

45. Buysse, J. M.; Dunyak, D. S.; Hartman A. B.; Venkatesan, M. M. "Identification and Molecular Characterization of a 27 kDa Shigella Flexneri Invasion Plasmid Antigen, IPAJ." Microb Pathog 1997; 23(6):357-369
Note: (J)
A349832.
Shigella/IPAJ/signal peptide.

46. Callahan, H. L.; Portal, A. C.; Devereaux, R.; Grogl, M. "An Axenic Amastigote System for Drug Screening." Antimicrob Agents Chemother 1997; 41(4):818-822
Note: (J)
leishmania/amastigote.

47. Campbell, W. N.; Fitzpatrick, M.; Ding, X.; Jett, M.; Gemski, P.; Goldblum, S. E. "SEB is Cytotoxic and Alters EC Barrier Function Through Protein Tyrosine Phosphorylation *In Vitro*." Am J Physiol 1997; Jul;273(1):L31-39
Note: (J)
vascular permeability/endothelial cell/ bovine/acute pulmonary injury.

48. Carroll, R. G.; Riley, J. L.; Levine, B. L.; Feng, Y.; Kaushal, S.; Ritchey, D. W.; Berstein, W.; Weislow, O. S.; Brown, C. R.; Berger, E. A.; June, C. H.; St.Louis, D. C. "Differential Regulation of HIV-1 Fusion Cofactor Expression by CD28 Costimulation of CD4+ T Cell." Science 1997; Apr;276(5310):273-276
Note: (J)
antigens/CD28/CD4+/Hiv-1.

49. Carroll, R. G.; Riley, J. L.; Levine, B. L.; Kaushal, S.; Bernstein, W.; St Louis, D. C.; June, C. H.; Berger, E. A. "Control of HIV Co-Receptor Expression:Implications of Pathogenesis and Treatment-Response." Trends Microbiol 1997; 5(8):302-303
Note: (J)
pathogenesis/HIV/co-receptor.

50. Cassels, F. J.; Jarboe, D. L.; Reid, R. H.; Lees, A.; Deal, C. D. "Linear Epitopes of Colonization Factor Antigen I and Peptide Vaccine Approach to Enterotoxigenic Escherichia Coli." J Indust Microbiol Biotechnol 1997; 18(1):66-70
Note: **(J)**
A331204.
linear epitopes/colonization factors/ enterotoxigenic/Escherichia coli.

51. Cassels, F. J.; Lees, A.; Hansen, B. D.; Barringer, J. D.; Nelson, B. L.; Ryu, H. "Antibody to N-Terminal Consensus Peptide is Cross- Reactive with all Six Members of the Enterotoxigenic E. Coli CFA/1 Family." In:Cytokines Cholera Gut, Keusch, G. T., Ed., IOS Press 1997; 275-279
Note: **(OC)**
colonization factor antigen/ Escherichia coli.

52. Castric, P. A.; Cassels, F. J. "Peptide Epitope Mapping in Vaccine Development: Introduction." J Indust Microbiol Biotechnol 1997; 19(1):56-57
Note: **(J)**
linear epitopes/peptide vaccine/pili.

53. Castro, C. A. "Primacy and Recency Effects in Rhesis Monkeys (Macaca Mulatta) Using a Serial Probe Recognition Task:Effects of Atropine Sulfate." Behav Neurosci 1997; 111(4):676-682
Note: **(J)**
A348444.
Macaca mulatta/primacy effect/ recency effect.

54. Chang, K. S.; Lin, C. I.; Chen, J. H.; Shih, C. H.; Lin, H. C.; Lin, R. Y.; Twu, S. S.; Salminen, M. O. "HIV Type 1 ENV Gene Diversity Detected in Taiwan." AIDS Res Hum Retroviruses 1997; 13(2):201-204
Note: **(J)**
Taiwan/AIDS/genetics.

55. Chaudhari, A.; Ron, E.; Rethman, M. P. "Recombinant Human Bone Morphogenetic Protein-2 stimulates Differentiation in Primary Cultures of Fat Rat Calvarial Osteoblasts." Mol Cell Biochem 1997; Feb;167(1-2):31-39
Note: **(J)**
drug effects/ascorbic acid animals/ prosphatase.

56. Christie, R. J.; Carrington, L.; Alving B. M. "Postoprative Bleeding Induced by Tropical Bovine Thrombin:Report of Two Cases." Surgery 1997; 121(6):706-710
Note: **(J)**
postoprative bleeding/thrombin/bovine.

57. Church, L. W.; Le, T. P.; Bryan, J. P.; Gordon, D. M.; Edelman, R.; Fries, L.; Davis, J. R.; Herrington, D. A.; Clyde, D. F.; Shmuklarsky, M. J.; Schneider, I.; McGovern, T. W.; Chulay, J. D.; Ballou, W. R.; Hoffman S. L. "Clinical Manifestations of Plasmodium Falciparum Malaria Experimentally Induced by Mosquito Challege." J Infec Dis 1997; Apr;175(4):915-920
Note: **(J)**
malaria/Plasmodium falciparum.

58. Clayson, E. T.; Shrestha, M. P.; Vaughan, D. W.; Snitbhan, R.; Shrestha, K. B.; Longer, C. F.; Innis, B. L. "Rates of Hepatitis E Virus Infection and Disease Among Adolescents and Adult an Kathmandu, Nepal." J Infect Dis 1997; Sep;78(3):763-766
Note: **(J)**
Hepatitis E/asults/Nepal.

59. Cohen, J. D.; Ashenski, S.; Green, M. S.; Gdalevich, M.; Robin, G.; Slepon, R.; Yavzori, M.; Orr, N.; Block, C.; Ashkenazi, I.; Shemer, J.; Taylor, D. N.; Hale, T. L.; Sadoff, J. C.; Pavliakova, D.; Schneerson, R. "Double-Blind Vaccine-Controlled Randomised Efficacy Trial of Investigational Shigella Sonnel Conjugate Vaccine in Young Adults." Lancet 1997; 349(9046):155-159
Note: **(J)**
Shigella sonnel/mixed vaccine/ Escherichia coli.

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Note: **(J)**
rickettsial infections/peace keeping/ Indonesian Military Personnel/Cambodia .

61. Cowan, D. N.; Defraites, R. F.; Gray, G. C.; Goldenbaum, M. B.; Wishik, S. M. "The Risk of Birth Defects Among Children of Persian Gulf War Veterans." N Engl J Med 1997; 336(23):1650-1656
Note: **(J)**
birth defects/Persian Gulf War Veterans.

62. Cowan, D. N.; Gambel, J. M.; Brunoage, J. F.; Garner, R. P.; Kuhn, J. "Children of HIV Infected Members of the Army Reserve Components." Mil Med 1997; 6
Note: **(J)**
A341518.
HIV/Army Reserve/children.

63. Coy, J.; Vandre, R. H.; Davidson, W. R. "Use of the Hand-Held Dental X-Ray Machine During Joint Operation, NATO Exercise Display Determination-92." Mil Med 1997; 162(8):575-577
Note: **(J)**
radiodiagnosis/X-ray/NATO exercise.

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Note: (J)
pharmacognosy/American society.

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Note: (J)
AIDS/instrumental and symbolic/ stigmatization.

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Note: (J)
nucleotide sequences/campoletis sonorensis.

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Note: (J)
cholera/vibrio furnissii/pathogens/Peru.

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Note: (J)
breast cancer/prolactin/signal transduction

69. Das, R.; Vonderhaar, B. K. "Prolactin as a Amitogen in Mammary Cells." J Mammary Gland Biol Neoplasma 1997; 2(1):29
Note: (J)
prolactin/breast cancer/mitogenesis/ normal mammary gland development.

70. Das, R.; Vonderhaar, B. K. "Tamoxifen Inhibits Prolactin Signal Transduction in ER-NOG-8 Mammary Epithelial Cells." Cancer Lett 1997; 116:41-46
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ADA342095.
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Note: **(A)**
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Note: **(A)**
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Q-switched laser/laser injury.

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Note: **(A)**

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ADA333579.
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DNA-binding transactivators/ribonucleoprotens.

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Note: **(A)**
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Shigella flexneri/epitope identification/ Ipa H gene.

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Ketoprofen.

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Note: **(A)**
HIV-1/bioipsies.

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WRAIR PATENTS ISSUED IN CY97

U.S. Patent No. **5,626,151** issued 6 May 1997: "Transportable Life Support System"

Inventors: WP Wiesmann (Division of Surgery)
FJ Pearce (Division of Surgery)
KB Johnson (Division of Surgery)
C Linden (Division of Surgery)

U.S. Patent No. **5,631,283** issued 20 May 1997: "Use of Sialic Acid or Antibodies to Sialidase as Anti-Infectious Agents and Anti-Inflammatory Agents"

Inventors: Alan S. Cross (Division of Communicable Diseases and Immunology)
Daniel G. Wright (Division of Medicine)
Peter Gomatos (WRAMC)
Nicholas Stamatos (WRAMC)

U.S. Patent No. **5,660,854** issued 26 August 1997: "Drug Releasing Surgical Implant or Dressing Material"

Inventors: Duncan H. Haynes (Pharma-Logic, Inc.)
Ben H. Bodeker (LTC, MD, Dental Research Detachment)
Mark D. Kline

U.S. Patent No. **5,693,343** issued 2 December 1997: "Microparticle Carriers of Maximal Uptake Capacity by Both M Cells and Non-M Cells"

Inventors: Robert H. Reid (Division of Medicine)
John E. van Hamont (Division of Medicine)
William R. Brown
Edgar C. Boedeker (Division of Medicine)
Curt Thies

U.S. Patent No. **5,695,750** issued 9 December 1997: "Compositions for Use to Deactivate Organophosphates"

Inventors: Bhupendra P. Doctor (Division of Biochemistry)
Donald Maxwell
Ashima Saxena (Division of Biochemistry)
Zoran Radic
Palmer Taylor

U.S. Patent No. **5,698,416** issued 16 December 1997: "Methods for Production of Antigens Under Control of Temperature-Regulated Promoters"

Inventors: MK Wolf (Division of Medicine)
FJ Cassels (Division of Medicine)
BA Bell (Division of Communicable Diseases and Immunology)

WRAIR PATENT APPLICATIONS FILED IN CY97

1. "Anti-HIV-1 Activities of Inhibitors of Polyamine Pathways"

2. "Therapeutic Treatment and Prevention of Infections with a Bioactive Material(s) Encapsulated Within a Biodegradable-Biocompatible Polymeric Matrix"

3. "Transformed Bacteria Producing CS6 Antigens and Vaccines"

4. "Use of Peptides in Tracking Disease and Developing Vaccines"

5. "Method for Measuring Tumor Suppressor Gene P53"

6. "Chemo-Therapeutic Treatment of Bacterial Infections With an Antibiotic Encapsulated Within a Biodegradable Polymeric Matrix"

7. "Adjuvant for Transcutaneous Immunization"

8. "Sustained Release Hydrophobic Bioactive PLGA Microspheres"

9. "Compounds, Compositions and Methods for Treating Antibiotic-Resistant Infections"

10. "Lethal Mosquito Breeding Chamber"

11. "Peptides Responsive to Antibodies Against a Concensus Peptide of the CS4-CFA/I Family of Proteins"

12. "Cyclodextrin-Peptide Compositions"

13. "Method for Production of Plasmodium Causing Relapsing Malaria"

14. "Mutants of *Brucella melitensis*"

WRAIR PROVISIONAL APPLICATIONS FOR CY97

1. "Methods for Modulating Expression of an HIV-1 Fusion Cofactor"

2. "Vesicle-Containing Oil-in-Water Emulsions"

3. "Improved Method for Administration of Vaccine Against Shigella Infections"

4. "Complement Activation by Cremophor EL as a Contributor to Hypersensitivity to Taxol: Mechanism of Activation and Inhibition by Soluble Complement Receptor Type 1 *in vitro*"

5. "Transformed Bacteria Producing CS6 Antigens as Vaccines"

6. "Compounds, Compositions, and Methods for Treating Antibiotic-Resistant Infections"

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